

WHAT IS CLAIMED IS:

1. A recording apparatus for effecting recording on a recording material by recording means, said apparatus comprising:

- 5 a tray, mountable to said recording apparatus, for stacking a recording material;
- a feeding roller for feeding said tray;
- a portion to be detected, provided on said tray to permit detection of a position of said tray;
- 10 a tray position detecting portion for detecting the portion to be detected;
- wherein a position of recording material stacked on said tray is detected by detecting the position of the portion to be detected.

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2. An apparatus according to Claim 1, wherein said portion to be detected are provided at each of a plurality of positions of said tray.

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3. An apparatus according to Claim 2, wherein said portions to be detected are arranged in a direction substantially perpendicular to a feeding direction of said tray.

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4. An apparatus according to Claim 2, wherein said portions to be detected are arranged in the feeding direction of said tray.

5. An apparatus according to Claim 2, wherein said portions to be detected are arranged in a direction crossing with a feeding direction of said tray at a predetermined angle.

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6. An apparatus according to Claim 1, wherein said portion to be detected has a square or rectangular configuration having a side which is perpendicular to a feeding direction of said tray and a side which is parallel with the feeding direction.

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7. An apparatus according to Claim 2, wherein said portions to be detected have configurations or sizes which are different from each other.

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8. An apparatus according to Claim 1, wherein said tray position detecting portion includes a light emission detecting means, and the portion to be detected has a reflecting surface for reflecting light emitted by said tray position detecting portion, wherein a peripheral portion of said reflecting surface is lower than the reflecting surface and is inclined at a predetermined angle with respect to the reflecting surface.

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9. An apparatus according to Claim 1, wherein said tray position detecting portion includes a light

emission detecting means, and said portion to be
detected includes a reflecting surface for reflecting
light emitted by said tray position detecting portion,
and the reflecting surface includes a mirror surface
5 having a reflectance which is higher than a
predetermined reflectance.

10. An apparatus according to Claim 2, wherein
the position of said tray is detected using one of
10 said portions to be detected.

11. An apparatus according to Claim 2, wherein
the position of said tray and a state of feeding
thereof are detected using two or more portions to be
15 detected, and a recording position is recorded on the
basis of a result of the detection.

12. An apparatus according to Claim 2, wherein a
mounting reference for the recording material is
20 disposed on a line connecting two of the portions to
be detected.

13. An apparatus according to Claim 1, wherein
said recording material has a mounting or positioning
25 hole substantially at a center portion thereof, and
wherein said tray includes a mounting or positioning
portion corresponding to the hole.

14. An apparatus according to Claim 1, wherein
said portion to be detected is disposed outside a
region of the recording material with respect to a
direction perpendicular to a feeding direction of said
5 tray.

15. An apparatus according to Claim 1, further
comprising a pinch roller rotatable by said feeding
roller, and said portion to be detected is disposed at
10 a position not contacted by said pinch roller.

16. An apparatus according to Claim Claim 1,
further comprising a tray guide for guiding said tray
when said tray is inserted into said recording
15 apparatus.

17. A recording apparatus for effecting recording
on a recording material by recording means, said
apparatus comprising:

20 a tray, mountable to said recording
apparatus, for stacking a recording material;
a feeding roller for feeding said tray;
a portion to be detected provided in said
tray to permit detection of presence of the recording
25 material on said tray;
a recording material detecting portion for
detecting the portion to be detected.

18. An apparatus according to Claim 17, wherein said portion to be detected is formed at a position of said tray where the recording material is stacked.

5 19. An apparatus according to Claim 17, wherein said portion to be detected is provided at each of a plurality of positions of said tray.

20. An apparatus according to Claim 19, wherein
10 said portions to be detected having configurations which are different from each other.

21. An apparatus according to Claim 17, wherein
when said recording material detecting portion detects
15 said portion to be detected, absence of the recording material on said tray is detected.

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